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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/065,333	10/04/2002	Sreenath Mambakkam	6284.P002	2196

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EXAMINER

SHANKAR, VIJAY

ART UNIT	PAPER NUMBER
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2673

DATE MAILED: 03/03/2004

6

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/065,333

**Applicant(s)**

MAMBAKKAM ET AL.

**Examiner**

VIJAY SHANKAR

**Art Unit**

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 January 2004.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.  
4a) Of the above claim(s) 11-25 is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-10 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

1. **Election of Group I Claims 1-10 are entered as elected on 1-5-2004 and Claims 11-25 are withdrawn from the application.**

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Hanson et al (6,460,094).

Regarding Claim 1, Hanson et al teaches an apparatus comprising a serial port (45, 46 in fig.1) configured to interface with a separate host (fig.1-3; col.3, line 35 - col.4, line 65); one serial interface engine (SIE) connected to the serial port (fig.1-3); a first interface unit (40 in fig.1) and a second interface unit (30 in fig.1) connected to the serial interface engine (summary; figs. 1-5; col.3, line 35- col.5, line 63).

Regarding Claim 2, Hanson et al teaches that the first interface unit is a keyboard interface (40 in fig.1).

Regarding Claim 3, Hanson et al teaches that the second interface unit is a flash media drive interface is same as optical disk drive (30 in fig.1; col.3, lines 45 - 62).

Regarding Claim 4, Hanson et al teaches that the apparatus further includes a virtual hub comprising a firmware unit configured to emulate a hub having multiple ports.

Regarding Claim 5, Hanson et al teaches that the apparatus is housed within a keyboard. (40 in fig.1)

Regarding Claim 6, Hanson et al teaches that the apparatus is a Universal Serial Bus (USB) peripheral (100 in fig.2a, 120 in fig.2b ) and the serial port is a Universal Serial Bus port ( 45 in fig.1; 102 in fig.2a,2b).

Regarding Claim 7, Hanson et al teaches that the apparatus wherein the serial interface engine is connected to a controller, and the first interface unit and the second interface unit are connected to the controller (figs. 1,5; col.3, line 36- col.4, line 51; col.8, line 15- col.9 , line 20).

Regarding Claim 8, Hanson et al teaches that the third interface unit (42 in fig.1) is connected to the serial interface unit (fig.1; col.3, line 36- col.4, line 51).

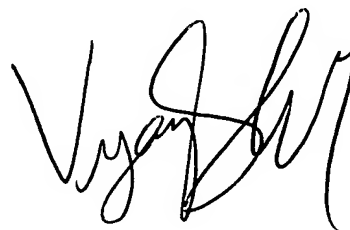
Regarding Claim 9 , Hanson et al teaches that the apparatus wherein the serial port, the serial interface engine (SIE), and the first interface unit and the second interface unit are integrated on a signal device (fig.1; col.3, line 36- col.4, line 51).

Regarding Claim 10, Hanson et al teaches that the third interface is connected to the serial port, the third interface having a second serial interface engine (fig.1; col.3, line 36- col.4, line 51).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is 703-305-4763. The examiner can normally be reached on M-F 7:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BIPIN SHALWALA can be reached on 703-305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



VIJAY SHANKAR  
Primary Examiner  
Art Unit 2673

VS

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